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TITLE: **HEATING EQUIPMENT FOR AUDIENCE
SEAT**

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INVENTOR-INFORMATION:

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ASSIGNEE-INFORMATION:

| NAME | COUNTRY |
|--------------------------|----------------|
| HITACHI CABLE LTD | N/A |

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ABSTRACT:

PURPOSE: To efficiently heat only a required seat at a low cost by providing an induction coil on a seat, generating an AC magnetic field, integrating a metallic member for generating heat by an eddy current with a mat for the seat or the like and positioning it in the AC magnetic field.

CONSTITUTION: The induction coil 3 tightly sealed with the non-magnetic insulation body 2 of plastic or the like is embedded in the seat 1 of the stand 9 of an outdoor stadium. AC power sources are arranged for respective appropriate blocks in the stand 9 and branching cables 5 branched from the main cable 4 of the AC power source are connected to the induction coils 3. The mat 6 placed on the seat 1 by an audience is provided with the metallic plate 7 of large eddy current loss. When the audience places the mat 6 in the state of making an AC current flow to the induction coil 3, the eddy current is generated on the metallic plate 7 by the AC magnetic field formed by the induction coil 3 and the mat 6 is heated by heat generation based on the eddy current. When the mat 6 is not placed on the seat 1, only the power of the

induction coil is consumed and heat is not generated.

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